

JULY

at the

CALIFORNIA ACADEMY OF SCIENCES

JULY MEETINGS (for Members and Their Guests)

DATES & Matinee, 2:30 p.m., Wednesday, July 12
TIMES: Evenings, 8:00 p.m., Wednesday and
Thursday, July 12-13
PLACE: May Treat Morrison Auditorium
SPEAKER: Lee Tepley
SUBJECT: "CLOUD OVER THE CORAL REEF"
and "FIRE UNDER THE SEA"

These meetings with Dr. Tepley, Senior Staff Scientist in the Physical Sciences Laboratory Palo Alto Research Laboratory, will take you to inner space — into the depths of the ocean — to explore a world which is stunning in one respect but sad in another because of pollution, all captured on film by a man pre-eminent in the field of underwater photography and one who has been awarded numerous prizes in this area. Both these films are Dr. Tepley's efforts aside from his regular vocation.

Photographed in color, "Cloud Over the Coral Reef" shows graphically and accurately how the dark cloud of pollution is transforming the exotic and invaluable coral reefs of the tropics into undersea graveyards. The film was made to dramatize the seriousness of the problem of undersea pollution and to alert the public to quick remedial action. This film was made in cooperation with Dr. R. E. Johannes, a marine ecologist on the staff of the University of Georgia.

In 1972, Dr. Tepley participated as documentary photographer in the first expedition in which scuba divers investigated an active lava flow underwater (Mauna Ulu Eruption, April 1971, Hawaii) and, in cooperation with Dr. James Moore, U.S. Geological Survey, Menlo Park, "Fire Under the Sea" is the result. Excerpts from this film were nationally televised by the National Broadcasting Company in September of last year.

Three meetings as indicated and your membership card is your admission. For the matinee performance, present it to the door attendant at the entrance to Cowell Hall only. You will be asked to show it

once again at the auditorium entrance. For the evening meetings, ingress is at both the main entrance, Cowell Hall, and the rear Planetarium entrance off Middle Drive.

MORRISON PLANETARIUM

"THE REALM OF THE NEBULAE" continues in the Theatre of the Stars through September 10. This is the sky show that takes you beyond the reaches of our solar system to the outermost edges of space, and a thrilling adventure it is.

Show times during the summer are: Daily at 12:30, 2:00, 3:30 and 8:00 p.m. with extra matinees scheduled for Saturdays and Sundays.

Admission: Anyone 18 and over, \$1.00. Anyone 17 and under: 50c.

MORRISON AUDITORIUM

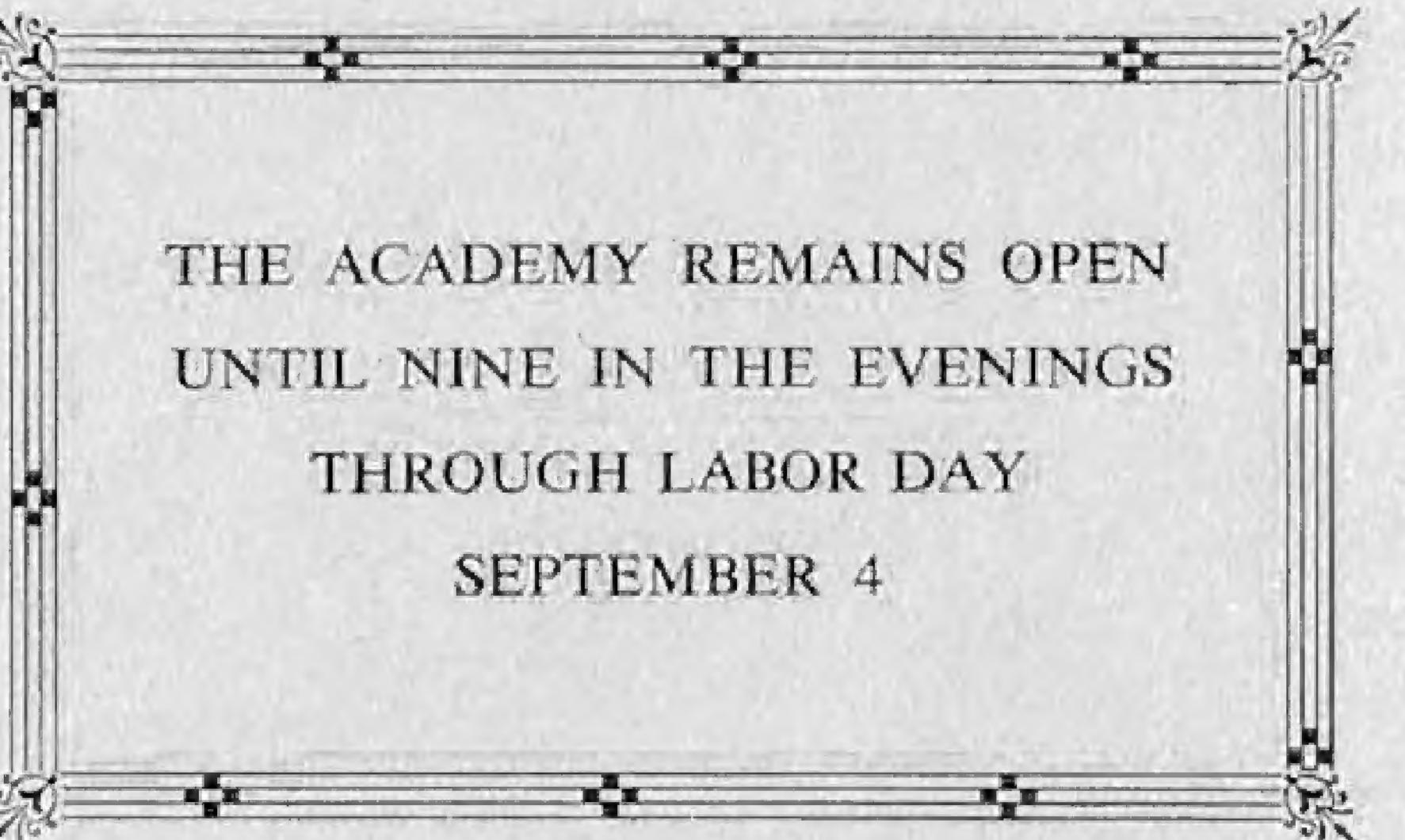
"BAJA CALIFORNIA", an Academy-produced documentary film in color, one hour long, is presented daily at 12:00, 1:30 and 3:00 p.m. Admission is the same as that for the planetarium shows.

SPECIAL EXHIBITS

"BAJA CALIFORNIA," arranged to accompany the above listed picture, this exhibit is comprised of items, specimens, artifacts and photographs from the Academy collections and through the courtesy of private individuals. In the newly-arranged Hohfeld Gallery adjacent the Hall of Space Science. Continues indefinitely.

"NATURE ABSTRACTIONS," a collection of fifty black-and-white photographic enlargements by Staff Photographer Lloyd Ullberg. Located in the Lower Gallery, Cowell Hall. Continues indefinitely.

"GALAPAGOS," an extensive exhibit devoted to the "enchanted isles" of the coast of Ecuador, continues in Cowell Hall.



NEWS and NOTES

THE NATIONAL SCIENCE FOUNDATION has announced two grants to the Academy, both supportive in nature (and sorely needed) effective June 1: \$34,700 for "Curating the Fish Collections of the California Academy of Sciences," work to be performed under the supervision of Dr. William N. Eschmeyer, Curator, Department of Ichthyology, and \$42,800 for "Curatorial Support for the Entomology Collections," supervised in this discipline by Dr. Paul H. Arnaud, Jr., Chairman and Associate Curator, Department of Entomology. Both grants are for a period of one year and are expected to qualify for annual renewal for four more years.

This recognition by the National Science Foundation of the need of such supportive grants gives added stature to the fact that the Academy's fish and entomological collections are among the most significant in the world.

WE'VE DONE IT BEFORE and are delighted once again to inform the membership in the Bay Area of Lick Observatory's Summer 1972 Visitors' Night. On Friday evenings beginning July 7 and continuing through September 8, astronomical objects will be shown through the 36- and 12-inch refracting telescopes starting immediately after twilight. Admission is free to the public but tickets must be obtained in advance. Write: Summer Visitor Program, Lick Observatory, Mount Hamilton, CA 95140. Give first and second choices of dates desired, and the number of tickets required (Limit: 6 per family or group). Enclose a self-addressed, stamped envelope for return mailing.

The road up to the observatory is well paved, but very winding; allow two hours driving from San Jose. There are no accommodations, services or other public facilities on Mount Hamilton. Summer nighttime temperatures are mild, but winds are sometimes brisk and a light jacket is advisable outside the observatory buildings.

This information was provided us by the Astronomical Society of the Pacific.

TRAVEL NOTES. At this writing, limited spaces are available on the Academy Charter Flight from San Francisco to Rome on September 9 with return on October 5 from Rome with pickups at both Frankfurt and London. Round trip on a luxurious Boeing 707 is \$289.00. Space will be sold on a first-come first-served basis.

Reservations are also being accepted for the extraordinary safari to Africa, Kenya, Tanzania and

Uganda in connection with the above. Cost, in addition to the charter, is \$1,891.00. Also available are bookings on a Mediterranean tour and cruise starting at Rome and including the Dalmatian Riviera, Greece and its enchanting isles, a bit of Asia Minor, and Vienna, and then meeting the charter plane in Frankfurt. Cost, again in addition to the charter, \$1,508.00.

For more information about the foregoing, members should check with Bryan International Travel, Inc., 57 Post Street, San Francisco 94104 (Telephone: 986-0967).

IT IS WITH pardonable pride that the Academy announced the publication of a distinguished, handsome, hard-back volume — a monograph titled "ECHEVERIA" by the late Eric Walther (1892-1959). His association with Golden Gate Park, the Academy and the Strybing Arboretum and Botanical Garden dates back to 1918 and in areas too numerous to mention here his very presence was, is and will continue to be felt strongly.

He was an associate of both Alice Eastwood and John McLaren who encouraged him in his botanical interests as did Charles Abraham. His first publications about succulent plants were in 1929. By 1930 his particular preoccupation became focused on the genus *Echeveria* and he researched and studied in that area for the remainder of his life. There were, of course, interruptions because of other demands on his time and he was able only to continue his monograph after retirement in 1957. Beginning then, he rewrote a measure of his book but had not been able to finish it entirely at the time of his death. John Thomas Howell, Curator Emeritus of the Department of Botany, took over at that juncture and edited and prepared the volume for publication.

At the time of his demise, it became known that Mr. Walther had arranged for the Academy to make publishing possible by using his estate to defray the expense. This fine book is the result.

"ECHEVERIA," bound in white and embossed in gold, is 426 pages with 223 figures in black-and-white and 16 plates in color. Copyright 1972, it is available by mail from the Academy. The price is \$15.00 plus \$1.00 for California tax and shipping. It also may be purchased at some of the Academy sales desks.

MISCELLANEA. On June 8, the Academy was co-host with the M. H. deYoung Museum at a reception for the benefit of the American Association of Museums. . . . On twelve Mondays beginning July 10, there will be a series of free lectures (8:00 p.m.)

with the over-all title of "Cosmic Evolution (Man's Descent From the Stars)" at the Palace of Fine Arts Theatre, Bay & Lyon Streets, San Francisco. The opening lecture features Ray Bradbury, internationally-acclaimed author. . . . Kay Bowman, former secretary-coordinator for the Docent Office having transferred to the regular Academy staff, has been replaced in that office by Diane Butler. . . . and apropos the Docents: over an 8-month period beginning last November, those 75 ladies and gentlemen shared their knowledge of the Academy exhibits with 8,632 individuals from both grade and high schools, scouting groups, as well as adult groups. The guided tours have been most successful. . . . Coming Academy monthly meetings are scheduled for August 16-17 and September 13-14. . . .

NEW MEMBERS OF THE ACADEMY

Regular Members

Mr. & Mrs. Nelson C. Barry
Mr. Paul S. Bartholomew
Mr. John R. Batch
Mr. Lee Brandt
Mrs. E. W. Bullard
Mr. Harvey B. Close
Mr. John A. Condit
Dr. Gerald A. Corsi
Mr. Don M. Curry
Mr. & Mrs. Jack Dawson
Dr. Sergio De Caravalho
Mr. V. Thomas Dunn
Miss Mary M. Erickson
Mr. Thomas J. Filcich
Mr. William Weber Johnson
Mr. William M. Kleiser
Miss Marie Maric
Mrs. M. V. Miller
Mr. Glenn McWane
Mr. John H. Nolan

Mr. Tore H. Noren
Dr. Charles K. Obert
Mrs. Shirley Ortiz
Miss Karola O'Shea
Miss Sally Pontier
Mr. B. Francis Quock
Miss Helen Reilly
Miss Constance Rugen
Miss Jeannette Saiki
Miss Susan B. Sherman
Miss Susan T. Siegel
Mr. David R. Stallcup
Mrs. Eunice J. Stillip
Dr. David Strange
Miss Siva Tardos
Mr. Larry L. Vaughn
Miss Anna R. Vishney
Dr. & Mrs. Charles Watson
Mr. Edward R. Weiss
Mr. John T. Wondolleck

Family Members

Dr. & Mrs. Joseph Blumenthal
Mr. John W. Broad
Mr. Robert D. Carter
Mr. & Mrs. Douglas Cheeseman, Jr.
Lcdr. John E. Clunie, U.S.N. Ret.
Mr. & Mrs. John Crichton
Albert C. Dittmann Family
Mr. Eugene Eno
Mrs. John C. Fall
The Warren Foley Family
Mr. & Mrs. Paul H. Hewett
Mr. Yujiro Honmyo
Mr. Frederick J. Illgen
Mr. Gary W. Kirsch
Mr. Henry Lee
Dr. & Mrs. Arnold Levins

Mr. Walter B. Minkel
Mr. & Mrs. James R. Moore
Mr. Hal Nickle
Mrs. Gloria Orellana
Mr. & Mrs. John S. Peers
Mrs. Alice E. Perkins
Mr. Starr L. Powell
Mr. Evan C. Ray, Jr.
Mr. Ronald E. Rich
Dr. & Mrs. Fred Ritter
C. David Robinson Family
Mrs. Cathleen Rothman
Mr. M. Dean Sando
Mrs. Norma Simmons
Mr. & Mrs. Rudolph Sustarich
Mr. & Mrs. William J. Swanson
Mr. & Mrs. Edward J. Watt
Mr. Ralph Irby White

Contributing Members

Mr. Keith Argabright
Robert E. & Patricia L. Breedon
Mr. Malcolm Clark
Mr. & Mrs. L. C. Jones

Mr. C. E. Mieg
Miss Margery Schuler
Mr. & Mrs. Kimberly Stuart
Mrs. Gerald Yaffe

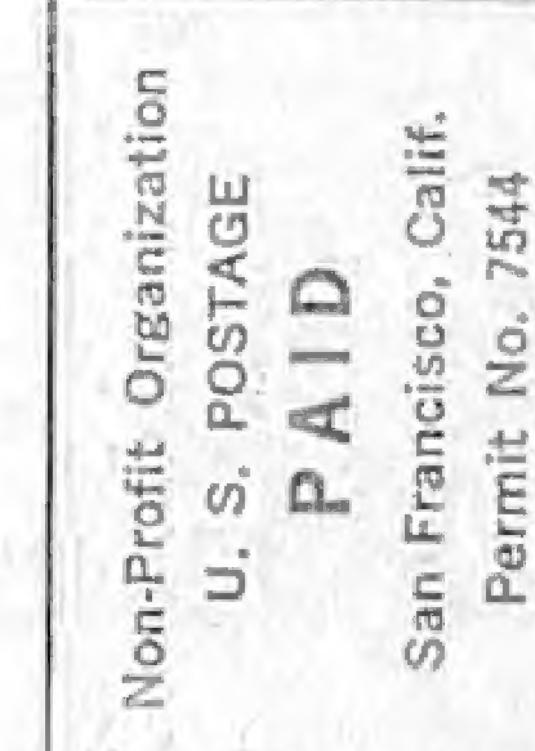
Life Members

Mr. Robert McDowell
Miss Constance Perham
Mr. Helmitt Stanowski

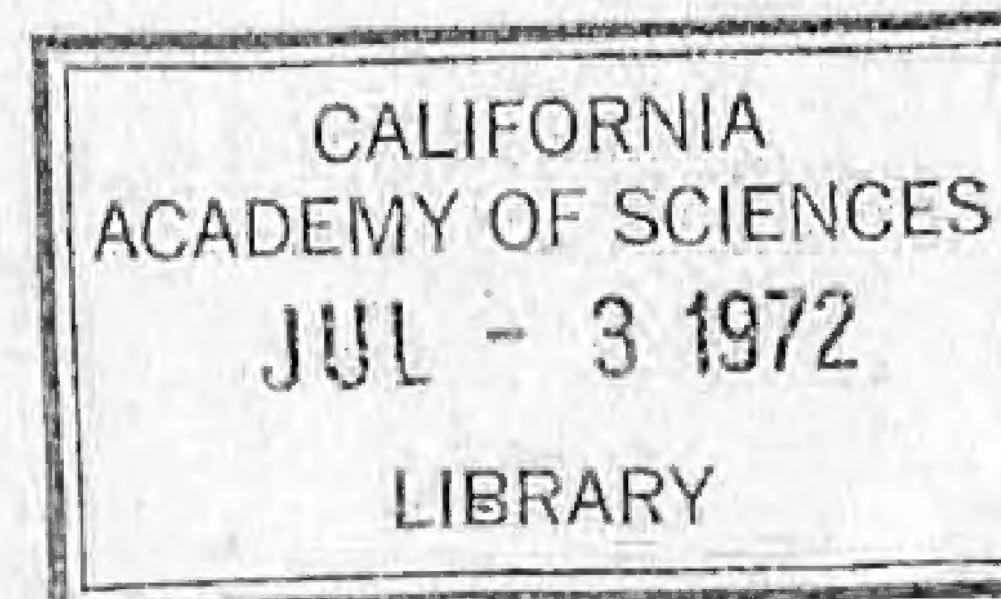
Mr. David Tice
Mr. Merrill D. Waltz
Mrs. C. E. Wells

THE CALIFORNIA ACADEMY OF SCIENCES

Open every day of the year San Francisco 94118
(415) 221-5100



Ref.
Q 10-1A
(C22)
no. 391



No. 391 — Published Monthly by the
CALIFORNIA ACADEMY OF SCIENCES
GOLDEN GATE PARK • SAN FRANCISCO 94118

JULY 1972

Printed on 100% Recycled Paper